

# Comparisons of Job Characteristics

**Focus Occupation:** [Explosives Workers, Ordnance Handling Experts, and Blasters \(47-5031\)](#)

**Associated Occupation:** [Mine Cutting and Channeling Machine Operators \(47-5042\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

**Focus Occupation:** Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)

**Associated Occupation:** Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	12.2	10.2	< Expanded education and/or training may be required
Public Safety and Security	6.9	6.2	15.7	>> Current knowledge level is likely more than sufficient
Transportation	4.6	5.2	9.6	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 70

**Focus Occupation:** Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)

**Associated Occupation:** Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.5	10.3	< A higher skill level may be required
Operation and Control	5.4	10.0	10.0	0 Current skill level may be sufficient
Equipment Maintenance	3.5	7.7	5.6	<< Extensive development of skills in this area may be required
Repairing	3.4	7.7	5.0	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	7.5	7.5	0 Current skill level may be sufficient
Equipment Selection	3.3	7.2	6.1	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)  
Associated Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	13.5	11.4	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	12.2	11.2	0	Current ability level may be sufficient
Reaction Time	4.8	12.1	12.3	0	Current ability level may be sufficient
Depth Perception	5.3	11.4	9.7	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	10.3	8.4	<	Some improvement in abilities may be required
Response Orientation	4.0	9.6	7.2	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.9	5.8	<	Some improvement in abilities may be required
Sound Localization	2.2	6.5	4.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)  
Associated Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Work Activities	Exclusivity of Activity
Assemble detonation units for construction or extraction work	89
Charge blasting holes with explosives	82
Determine amount or kind of explosive needed to complete job	85
Determine locations, angles, and depths of blast holes	92
Detonate blasting charges for construction or extraction work	89
Drill blasting holes	89
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

<b>Focus Occupation: Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)</b> <b>Associated Occupation: Mine Cutting and Channeling Machine Operators (47-5042)</b>
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<b>Tools and Technologies</b>	<b>Exclusivity</b>
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Tools and technology data is unavailable for one or both occupations.
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.